

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/017431

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09K11/08 C09K11/79 C01B21/06 C09K11/80

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 104 799 A (OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG) 6 June 2001 (2001-06-06) cited in the application paragraph '0017! - paragraph '0019! -----	1-17
A	SOON-SEOK LEE ET AL: "Development and luminescent characteristics of CaSiN ₂ based phosphors" JOURNAL OF THE KOREAN INSTITUTE OF TELEMATICS & ELECTRONICS, SEOUL, KR, vol. 36-D, no. 10, October 1999 (1999-10), pages 31-36, XP002136109 ISSN: 1016-135X the whole document ----- -/--	1-17

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

7 February 2005

Date of mailing of the international search report

14/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HUPPERTZ H ET AL: "EDGE-SHARING SiN ₄ TETRAHEDRA IN THE HIGHLY CONDENSED NITRIDOSILICATE BASI7N10" CHEMISTRY - A EUROPEAN JOURNAL, VCH PUBLISHERS, US, vol. 3, no. 2, 1997, pages 249-252, XP008041885 ISSN: 0947-6539 the whole document	1-17
A	----- SCHLIEPER T ET AL: "NITRIDO-SILICATE. I HOCHTEMPERATUR-SYNTHESE UND KRISTALLSTRUKTUR VON CA ₂ SI ₅ N ₈ NITRIDO SILICATES. I. HIGH TEMPERATURE SYNTHESIS AND CRYSTAL STRUCTURE OF CA ₂ SI ₅ N ₈ " ZEITSCHRIFT FUER ANORGANISCHE UND ALLGEMEINE CHEMIE, VERLAG VON LEOPOLD VOSS, LEIPZIG, DE, vol. 621, 1995, pages 1037-1041, XP008041815 ISSN: 0044-2313 the whole document	1-17
A	----- SCHLIEPER T ET AL: "HOCHTEMPERATUR-SYNTHESEN UND KRISTALLSTRUKTUREN VON SR ₂ SI ₅ N ₈ UND BA ₂ SI ₅ N ₈ HIGH TEMPERATURE SYNTHESSES AND CRYSTAL STRUCTURES OF SR ₂ SI ₅ N ₈ AND BA ₂ SI ₅ N ₈ " ZEITSCHRIFT FUER ANORGANISCHE UND ALLGEMEINE CHEMIE, VERLAG VON LEOPOLD VOSS, LEIPZIG, DE, vol. 621, 1995, pages 1380-1384, XP008041785 ISSN: 0044-2313 the whole document	1-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/017431

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1104799	A	06-06-2001	EP 1104799 A1	06-06-2001
			CA 2359896 A1	07-06-2001
			CA 2360330 A1	07-06-2001
			CN 1337988 T	27-02-2002
			CN 1337989 T	27-02-2002
			WO 0140403 A1	07-06-2001
			WO 0139574 A1	07-06-2001
			EP 1238041 A1	11-09-2002
			EP 1153101 A1	14-11-2001
			HU 0105080 A2	29-04-2002
			HU 0200436 A2	29-06-2002
			JP 2003515655 T	07-05-2003
			JP 2003515665 T	07-05-2003
			TW 581801 B	01-04-2004
			TW 524840 B	21-03-2003
			US 2003024438 A1	06-02-2003
			US 2003020101 A1	30-01-2003

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